IN THE UNITED STATES PATENT AND TRADEMARK OFFICE


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|---|---|---|
| In re Patent of: | ) | |
| | : | Examiner: Thierry L. Pham |
| SHIGEK1 KURODA | ) | |
| | : | Group Art Unit: 2625 |
| Appl. No.: 10/014,430 | ) | |
| | : | Confirmation No.: 3749 |
| Filed: December 14, 2001 | ) | |
| | : | |
| For: INFORMATION PROCESSING | ) | |
| APPARATUS, PRINT DATA GENERATING | : | |
| METHOD, PRINT CONTROL PROGRAM, | ) | |
| AND COMPUTER-READABLE RECORDING | : | |
| MEDIUM | ) | |
| | : | |
| Patent No.: 7,233,411 B2 | ) | |
| | : | |
| Issued: June 19, 2007 | ) | December 11, 2007 |

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450


REQUEST FOR CERTIFICATE OF CORRECTION
UNDER RULES 322 AND 323


Sir:

It is respectfully requested that a Certificate of Correction be issued by the Patent and

Trademark Office due to errors which appear in the printed patent as a result of Patent and

Trademark Office mistakes, and mistakes of a clerical, typographical, or minor character, which

were not the fault of the Patent and Trademark Office. A Certificate of Correction form (Form

PTO-1050) is enclosed.

The $100.00 fee for the Certificate of Correction is being paid electronically. However, the Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 06-1205.

The correction of the independent claims is the result of the inadvertent omission by the PTO of changes made by way of Examiners amendment to application claims 1, 5, 10, 11, 15 and 20 (patent claims 1, 4, 6, 7, 9 and 11). Reference to that Examiner's Amendment is made on page 2 of the Notice of Allowability and as is clear, the added wherein clause at the end of each independent claim corresponds to the Examiner's statement of reasons for allowance. The initial proposal for the Examiner's amendment was detailed in a facsimile transmission to Applicant's representative, dated February 12, 2007, and the proposal was agreed to in its entirety except for the addition to the intermediate data page editing step in application claims 5 and 10 of the phrase: "based on the number counted by said counting step and based on the print layout set by said layout setting step". This language was not necessary for allowability and does not form a part of the Examiner's statement of reasons for allowance. A copy of the Examiner's facsimile transmission is attached.

Patentees' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010.  All correspondence should continue to be directed to our address given below.

Respectfully submitted,

/Lawrence A. Stahl/

_____
Lawrence A. Stahl
Attorney for Patentees
Registration No. 30,110

FITZPATRICK, CELLA, HARPER & SCINTO
30 Rockefeller Plaza
New York, New York  10112-3800
Facsimile:  (212) 218-2200

LAS:eyw

PATENT NO.   :   7,233,411 B2

DATED        :   June 19, 2007

INVENTOR(S)  :   SHIGEKI KURODA                                         Page 1 of 8

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON THE TITLE PAGE:
Item (56), References Cited, Foreign Patent Documents, "EP 729118 A2 * 8/1996" should be deleted.

COLUMN 7:
Line 67, "of-copies" should read --of copies--.

COLUMN 12:
Line 1, "coordinate×in" should read --coordinate × in--.
Line 2, "page 3)" should read --page ÷ 3)--.

COLUMN 15:

Claim 1 should read:

--Information processing apparatus provided with a printer driver, comprising:
finishing command setting means which can set, on a print setting screen of the printer driver, a finishing command, selected from among an enable mode, a disable mode and an automatic mode, to a printer so as to rotation-sort-output or Offset-output document data;
layout setting means for setting, on the print setting screen of the printer driver, a print layout of the document data;
counting means for counting the number of physical sheets to which the document data of one copy whose output is desired is allocated;
print instructing means for instructing execution of printing;
spooling means for spooling the document data as intermediate data of a data format different from that of the document data;
intermediate data page editing means for making a layout print control of the intermediate data spooled by said spooling means based on the number counted by said counting means and based on the print layout set by said layout setting means;
intermediate data output means for outputting the intermediate data whose

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PRINTER'S TRIM LINE

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## CERTIFICATE OF CORRECTION

PATENT NO. : 7,233,411 B2

DATED : June 19, 2007

INVENTOR(S) : SHIGEKI KURODA

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

layout print control is made by said intermediate data page editing means;

discriminating means for discriminating, based on the counting by said counting means, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the automatic mode is set by said finishing command setting means;

command changing means for changing the finishing command in response to a discrimination made by said discriminating means; and

print data generating means for adding the finishing command changed by said command changing means to the intermediate data output by said intermediate data output means so as to generate print data,

wherein said finishing command setting means disables the finishing command if the counting by said counting means shows that the document data of one copy is printed onto one physical sheet, such that the rotation sort output or the Offset output is not performed, and enables the finishing command if the counting by said counting means shows that the document data of one copy is printed onto two or more physical sheets, such that the rotation sort output or the Offset output is performed.--

COLUMN 16:

Claim 4 should read:

--A print data generating method comprising:

a finishing command setting step which can set, on a print setting screen of the printer driver, a finishing command, selected from among an enable mode, a disable mode and an automatic mode, to a printer so as to rotation-sort-output or Offset-output document data;

a layout setting step of setting, on the print setting screen of the printer driver, a print layout of the document data;

a counting step of counting the number of physical sheets to which the document data of one copy whose output is desired is allocated;

a print instructing step of instructing execution of printing;

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# CERTIFICATE OF CORRECTION

PATENT NO.    :    7,233,411 B2

DATED          :    June 19, 2007

INVENTOR(S)  :    SHIGEKI KURODA                                                          Page 3 of 8

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

a spooling step of spooling the document data as intermediate data of a data format different from that of the document data;

an intermediate data page editing step of making a layout print control of the intermediate data spooled by said spooling step;

an intermediate data output step of outputting the intermediate data whose layout print control is made by said intermediate data page editing step;

a discriminating step of discriminating, based on the counting by said counting step, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the automatic mode is set by said finishing command setting step;

a command changing step of changing the finishing command in response to a discrimination made by said discriminating step; and

a print data generating step for adding the finishing command changed by said command changing step to the intermediate data output by said intermediate data output step so as to generating print data,

wherein said finishing command setting step disables the finishing command if the counting by said counting step shows that the document data of one copy is printed onto one physical sheet, such that the rotation sort output or the Offset output is not performed, and enables the finishing command if the counting by said counting step shows that the document data of one copy is printed onto two or more physical sheets, such that the rotation sort output or the Offset output is performed.--

Claim 6 should read:

--A computer-readable recording medium which records a program, wherein said program comprises:

a finishing command setting step which can set, on a print setting screen of the printer driver, a finishing command, selected from among an enable mode, a disable mode and an automatic mode, to a printer so as to rotation-sort-output or Offset-output document data;

a layout setting step of setting, on the print setting screen of the printer driver, a print layout of the document data;

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

a counting step of counting the number of physical sheets to which the document data of one copy whose output is desired is allocated;

a print instructing step of instructing execution of printing;

a spooling step of spooling the document data as intermediate data of a data format different from that of the document data;

an intermediate page editing step of making a layout print control of the intermediate data spooled by said spooling step;

an intermediate data output step of outputting the intermediate data whose layout print control is made by said intermediate data page editing step;

a discriminating step of discriminating, based on the counting by said counting step, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the automatic mode is set by said finishing command setting step;

a command changing step of changing the finishing command in response to a discrimination made by said discriminating step; and

a print data generating step of adding the finishing command changed by said command changing step to the intermediate data output by said intermediate data output step so as to generate print data;

wherein said finishing command setting step disables the finishing command if the counting by said counting step shows that the document data of one copy is printed onto one physical sheet, such that the rotation sort output or the Offset output is not performed, and enables the finishing command if the counting by said counting step shows that the document data of one copy is a printed onto two or more physical sheets, such that the rotation sort output or the Offset output is performed.--

COLUMN 17:

Claim 7 should read:

--An information processing apparatus provided with a printer driver, comprising:

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DATED : June 19, 2007

INVENTOR(S) : SHIGEKI KURODA                                             Page 5 of 8

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

finishing command setting means which can set, on a print setting screen of the printer driver, a finishing command selected from among an enable mode and a disable mode to a printer so as to rotation-sort-output or Offset-output document data;

layout setting means for setting, on the print setting screen of the printer driver, a print layout of the document data;

a user interface menu screen, provided by the printer driver, on which a user activates said finishing command setting means to set the finishing command and said layout setting means to set the print layout;

a counting means for counting the number of physical sheets to which the document data of one copy whose output is desired is allocated;

spooling means for spooling the document data as intermediate data of a data format different from that of said document data;

intermediate data page editing means for making a layout print control of the intermediate data spooled by said spooling means based on the number of counted by said counting means and based on the print layout set by said layout setting means;

intermediate data output means for outputting the intermediate data whose layout print control is made by said intermediate data page editing means;

discriminating means for discriminating, based on the counting by said counting means, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the enable mode is set by said finishing command setting means;

command changing means for changing the finishing command in response to a discrimination made by said discriminating means; and

print data generating means for adding the finishing command changed by said command changing means to the intermediate data output by said intermediate data output means so as to generate print data,

wherein said finishing command setting means disables the finishing command if the counting by said counting means shows that the document data of one copy is printed onto one physical sheet, such that the rotation sort output or the Offset output is not performed, and enables the finishing command if the counting by said counting means shows

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INVENTOR(S) : SHIGEKI KURODA         Page 6 of 8

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

that the document data of one copy is printed onto two or more physical sheets, such that the rotation sort output or the Offset output is performed.--

Claim 9 should read:

--A print data generating method of an information processing apparatus provided with a print driver and comprising:

a finishing command setting step of setting, on a print setting screen of the printer driver, a finishing command, selected from among an enable mode and a disable mode to a printer so as to rotation-sort-output or Offset-output document data;

a layout setting step of setting, on a print setting screen of the printer driver, a print layout of the document data;

a user interface menu screen step, provided by the printer driver, on which a user performs said finishing command setting step to set the finishing command and said layout setting step to set the print layout;

a counting step of counting the number of physical sheets to which the document data of one copy whose output is desired is allocated;

a spooling step of spooling the document data as intermediate data of a data format different from that of said document data;

an intermediate data page editing step of making a layout print control of the intermediate data spooled by said spooling step based on the number counted by said counting step and based on the print layout set by said layout setting step;

an intermediate data output step of outputting the intermediate data whose layout print control is made by said intermediate data page editing step;

a discriminating step of discriminating, based on the counting by said counting step, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the enable mode is set by said finishing command setting step;

a command changing step of changing the finishing command in response to a discrimination made by said discriminating step; and

a print data generating step of adding the finishing command changed by said

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command changing step to the intermediate data output by said intermediate data output step so as to generate print data,

wherein said finishing command setting step disables the finishing command if the counting by said counting step shows that the document data of one copy is printed onto one physical sheet, such that the rotation sort output or the Offset output is not performed, and enables the finishing command if the counting by said counting step shows that the document data of one copy is printed onto two or more physical sheets, such that the rotation sort output or the Offset output is performed.

COLUMN 18:

Claim 11 should read:

--A computer-readable recording medium which records a print control program, wherein said program comprises:

a finishing command setting step of setting, on a print setting screen of the printer driver the finishing command selected from among an enable mode and a disable mode to a printer so as to rotation-sort-output or offset-output document data;

layout setting step for setting, on a print setting screen of the printer driver, a print layout of the document data;

a user interface menu screen step, provided by the printer driver, on which a user activates said finishing command setting step to set the finishing command and said layout setting step to set the print layout;

a counting step of counting the number of physical sheets to which document data of one copy whose output is desired is allocated;

a spooling step of spooling the document data as intermediate data of a data format different from that of said document data;

an intermediate data page editing step of making a layout print control of the intermediate data spooled by said spooling step based on the number counted by said counting step and based on the print layout set by said layout setting step;

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DATED         :    June 19, 2007

INVENTOR(S)   :    SHIGEKI KURODA                                    Page 8 of 8

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

an intermediate data output step of outputting the intermediate data whose layout print control is made by said intermediate data page editing step;

a discriminating step of discriminating, based on the counting by said counting step, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the enable mode is set by said finishing command setting step;

a command changing step of changing the finishing command in response to a discrimination made by said discriminating step; and

a print data generating step of adding the finishing command changed by said command changing step to the intermediate data output by said intermediate data output step so as to generate print data,

wherein said finishing command setting step disables the finishing command if the counting by said counting step shows that the document data of one copy is printed onto one physical sheet, such that the rotation sort output or the Offset output is not performed, and enables the finishing command if the counting by said counting step shows that the document data of one copy is printed onto two or more physical sheets, such that the rotation sort output or the Offset output is performed.--

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## Fax Notes:

```
Mr. Stahl,
I have drafted all the independent claims to remove 112 matters.
If approve, please let me know ASAP.
thanks,
Examiner Pham.
(571)272-7439.
```

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**Claims:**

1. (Currently Amended) information processing apparatus provided with a printer driver, comprising:

finishing command setting means which can set, on a print setting screen of the printer driver, a finishing command, selected from among an enable mode, a disable mode and an automatic mode, to a printer so as to rotation-sort-output or Offset-output document data;

layout setting means for setting, on the print setting screen of the printer driver, a print layout of the document data;

counting means for counting the number of physical sheets to which the document data of one copy whose output is desired is allocated;

print instructing means for instructing execution of printing; ~~and~~

spooling means for spooling the document data as intermediate data of a data format different from that of the document data;

intermediate data page editing means for making a layout print control of the intermediate data spooled by said spooling means based on the number counted by said counting means and based on the print layout set by said layout setting means;

intermediate data output means for outputting the intermediate data whose layout print control is made by said intermediate data page editing means;

discriminating means for discriminating, based on the counting by said counting means, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the automatic mode is set by said finishing command setting means;

command changing means for changing the finishing command in response to a discrimination made by said discriminating means; and

print data generating means for adding the finishing command changed by said command changing means to the intermediate data output by said intermediate data output means so as to generate print data.

wherein said finishing command setting means disables the finishing command if the counting by said counting means shows that the document data of one copy is printed onto one physical sheet, such that the rotation sort output or the Offset output is not

performed, and enables the finishing command if the counting by said counting means shows that the document data of one copy is printed onto two or more physical sheets, such that the rotation sort output or the Offset output is performed.

5. (Currently Amended) A print data generating method comprising:

a finishing command setting step which can set, on a print setting screen of the printer driver, a finishing command, selected from among an enable mode, a disable mode and an automatic mode, to a printer so as to rotation-sort-output or Offset-output document data;

a layout setting step of setting, on the print setting screen of the printer driver, a print layout of the document data;

a counting step of counting the number of physical sheets to which the document data of one copy whose output is desired is allocated[[,]] ;

a print instructing step of instructing execution of printing; and

a spooling step of spooling the document data as intermediate data of a data format different from that of the document data[[,]];

an intermediate data page editing step of making a layout print control of the intermediate data spooled by said spooling step based on the number counted by said counting step and based on the print layout set by said layout setting step;

an intermediate data output means for step of outputting the intermediate data whose layout print control is made by said intermediate data page editing means step;

a discriminating means for step of discriminating, based on the counting by said counting means step, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the automatic mode is set by said finishing command setting means step;

a command changing means for step of changing the finishing command in response to a discrimination made by said discriminating means step; and

a print data generating means step for adding the finishing command changed by said command changing means step to the intermediate data output by said intermediate data output means step so as to generate print data.

wherein said finishing command setting step disables the finishing command if the counting by said counting step shows that the document data of one copy is printed onto one physical sheet, such that the rotation sort output or the Offset output is not performed, and enables the finishing command if the counting by said counting step shows that the document data of one copy is printed onto two or more physical sheets, such that the rotation sort output or the Offset output is performed.

10. (Currently Amended) A computer-readable recording medium which records a program, wherein said program comprises:

a finishing command setting step which can set, on a print setting screen of the printer driver, a finishing command, selected from among an enable mode, a disable mode and an automatic mode, to a printer so as to rotation-sort-output or Offset-output document data;

a layout setting step of setting, on the print setting screen of the printer driver, a print layout of the document data;

a counting step of counting the number of physical sheets to which the document data of one copy whose output is desired is allocated[[,]];

a print instructing step of instructing execution of printing; ~~and~~

a spooling step of spooling the document data as intermediate data of a data format different from that of the document data;

an intermediate data page editing step of making a layout print control of the intermediate data spooled by said spooling step based on the number counted by said counting step ~~and~~ based on the print layout set by said layout setting step;

an intermediate data output ~~means for~~ step of outputting the intermediate data whose layout print control is made by said intermediate data page editing ~~means~~ step;

a discriminating ~~means for~~ step of discriminating, based on the counting by said counting ~~means~~ step, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the automatic mode is set by said finishing command setting ~~means~~ step;

a command changing ~~means for~~ step of changing the finishing command in response to a discrimination made by said discriminating ~~means~~ step; and

a print data generating ~~means for~~ step of adding the finishing command changed by said command changing ~~means~~ step to the intermediate data output by said intermediate data output ~~means~~ step so as to generate print data [[.]] :

wherein said finishing command setting step disables the finishing command if the counting by said counting step shows that the document data of one copy is printed onto one physical sheet, such that the rotation sort output or the Offset output is not performed, and enables the finishing command if the counting by said counting step shows that the document data of one copy is printed onto two or more physical sheets, such that the rotation sort output or the Offset output is performed.

11. (Currently Amended) An information processing apparatus provided with a printer driver, comprising:

finishing command setting means which can set, on a print setting screen of the printer driver, a finishing command selected from among an enable mode and a disable mode to a printer so as to rotation-sort-output or Offset-output document data [[:]] :

layout setting means for setting, on the print setting screen of the printer driver, a print layout of the document data;

a user interface menu screen, provided by the printer driver, on which a user activates said finishing command setting means to set the finishing command and said layout setting means to set the print layout;

a counting means for counting the number of physical sheets to which the document data of one copy whose output is desired is allocated;

spooling means for spooling the document data as intermediate data of a data format different from that of said document data;

intermediate data page editing means for making a layout print control of the intermediate data spooled by said spooling means based on the number counted by said counting means and based on the print layout set by said layout setting means;

intermediate data output means for outputting the intermediate data whose layout print control is made by said intermediate data page editing means;

discriminating means for discriminating, based on the counting by said counting means, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the enable mode is set by said finishing command setting means;

command changing means for changing the finishing command in response to a discrimination made by said discriminating means; and

print data generating means for adding the finishing command changed by said command changing means to the intermediate data output by said intermediate data output means so as to generate print data [[.]] ,

wherein said finishing command setting means disables the finishing command if the counting by said counting means shows that the document data of one copy is printed onto one physical sheet, such that the rotation sort output or the Offset output is not performed, and enables the finishing command if the counting by said counting means shows that the document data of one copy is printed onto two or more physical sheets, such that the rotation sort output or the Offset output is performed.

15. (Currently Amended) A print data generating method of an information processing apparatus provided with a print driver and comprising:

a finishing command setting step of setting, on a print setting screen of the printer driver, a finishing command, ~~setting step~~ selected from among an enable mode and a disable mode to a printer so as to rotation-sort-output or Offset-output document data;

a layout setting step of setting, on a print setting screen of the printer driver, a print layout of the document data;

a user interface menu screen step, provided by the printer driver, on which a user performs said finishing command setting step to set the finishing command and said layout setting step to set the print layout; ~~and~~

a counting step of counting the number of physical sheets to which the document data of one copy whose output is desired is allocated;

a spooling ~~means for~~ step of spooling the document data as intermediate data of a data format different from that of said document data;

an intermediate data page editing ~~means for~~ <u>step of</u> making a layout print control of the    intermediate data spooled by said spooling ~~means~~ <u>step</u> based on the number counted by said counting ~~means~~ <u>step</u> and based on the print layout set by said layout setting ~~means~~ <u>step</u>;

an intermediate data output ~~means for~~ <u>step of</u> outputting the intermediate data whose layout print control is made by said intermediate data page editing ~~means~~ <u>step</u>;

a discriminating ~~means for~~ <u>step of</u> discriminating, based on the counting by said   counting ~~means~~ <u>step</u>, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the enable mode is set by said finishing command setting ~~means~~ <u>step</u>;

a command changing ~~means for~~ <u>step of</u> changing the finishing command in response to a discrimination made by said discriminating ~~means~~ <u>step</u>; and

a print data generating ~~means for~~ <u>step of</u> adding the finishing command changed by said    command changing ~~means~~ <u>step</u> to the intermediate data output by said intermediate data output ~~means~~ <u>step</u> so as to generate print data [[.]] <u>,</u>

<u>wherein said finishing command setting step disables the finishing command if the counting by said counting step shows that the document data of one copy is printed onto one physical sheet, such that the rotation sort output or the Offset output is not performed, and enables the finishing command if the counting by said counting step shows that the document data of one copy is printed onto two or more physical sheets, such that the rotation sort output or the Offset output is performed.</u>

20. (Currently Amended) A computer-readable recording medium which records a print control program, wherein said program comprises:

a finishing command setting step of setting, on a print setting screen of the printer driver the finishing command selected from among an enable mode and a disable mode to a printer so as to rotation-sort-output or offset-output document data;

layout setting step for setting, on a print setting screen of the printer driver, a print layout of the document data;

a user interface menu screen step, provided by the printer driver, on which a user activates said finishing command setting step to set the finishing command and said layout setting step to set the print layout;

a counting step of counting the number of physical sheets to which document data of one copy whose output is desired is allocated;

a spooling ~~means for~~ step of spooling the document data as intermediate data of a data format different from that of said document data;

an intermediate data page editing ~~means for~~ step of making a layout print control of the intermediate data spooled by said spooling ~~means~~ step based on the number counted by said counting ~~means~~ step and based on the print layout set by said layout setting ~~means~~ step;

an intermediate data output ~~means for~~ step of outputting the intermediate data whose layout print control is made by said intermediate data page editing ~~means~~ step;

a discriminating ~~means for~~ step of discriminating, based on the counting by said counting ~~means~~ step, whether the document data of one copy is printed onto one physical sheet or onto two or more physical sheets, when the enable mode is set by said finishing command setting ~~means~~ step;

a command changing ~~means for~~ step of changing the finishing command in response to a discrimination made by said discriminating ~~means~~ step; and

a print data generating ~~means for~~ step of adding the finishing command changed by said command changing ~~means~~ step to the intermediate data output by said intermediate data output ~~means~~ step so as to generate print data [[.]] ,

wherein said finishing command setting step disables the finishing command if the counting by said counting step shows that the document data of one copy is printed onto one physical sheet, such that the rotation sort output or the Offset output is not performed, and enables the finishing command if the counting by said counting step shows that the document data of one copy is printed onto two or more physical sheets, such that the rotation sort output or the Offset output is performed.

23 (Canceled).